| SOUTHEAST ALASKA I&M NETWORK (SEAN) | | | | | |
|---|---|---|---|---|---|
| **Ecological Monitoring Framework** | | | **Park** | | |
| **Level 1** | **Level 2** | **Vital Sign** | **GLBA** | **KLGO** | **SITK** |
| Air and Climate | Air Quality | **Airborne Contaminants** | ● | ● | ● |
| | | Visibility and Particulate Matter | + | + | + |
| | Weather and Climate | **Weather and Climate** | ● | ● | ● |
| Geology and Soils | Geomorphology | **Glacial Dynamics (extent)** | ● | ● | |
| | Hydrology | **Streamflow** | ● | ● | ● |
| | | **Oceanography** | ● | | |
| Water | Water Quality | Freshwater Benthic Macroinvertebrates and Algae | | | + |
| | | **Freshwater Contaminants** | ● | ● | ● |
| | | **Freshwater Water Quality** | ● | ● | ● |
| | | **Marine Contaminants** | ● | ● | ● |
| Biological Integrity | Invasive Species | Invasive/Exotic Animals | + | + | + |
| | | Invasive/Exotic Plants | o | o | o |
| | Infestations and Diseases | Pests and Diseases | + | + | + |
| | Focal Species or Communities | Bald Eagles | + | + | + |
| | | Bears | + | | |
| | | Biodiversity of Select Groups or Assemblages | + | + | + |
| | | Breeding Land Bird | + | + | + |

| | | | | | |
|---|---|---|---|---|---|
| | | Populations | | | |
| | | Forage Fishes | + | + | |
| | | Harbor Seals | o | | |
| | | **Intertidal Communities** | + | + | ● |
| | | Killer Whales | + | | |
| | | **Marine Predators** | ● | | |
| | | **Kittlitz's Murrelets** | ● | | |
| | | Salmonids | + | + | + |
| | | Ungulates | + | | |
| | | Western Toads | + | o | |
| | | Wetland Communities | + | + | + |
| | At-risk Biota | Humpback Whales | o | | |
| | | Steller Sea Lions | + | | |
| Human Use | Consumptive Use | Consumptive Use | + | + | + |
| | Visitor and Recreation Use | Human Use and Mode of Access | o | o | o |
| | Soundscape | Airborne Sound | + | + | + |
| | | Underwater Sound | o | | |
| Landscapes (Ecosystem Patterns & Processes) | Landscape Dynamics | **Landform and Landcover** | ● | ● | ● |
| | | Phenology | + | + | + |
| | | Plant Communities | + | + | + |

● Vital Signs for which the network will develop protocols and implement monitoring using funding from the Vital Signs or water quality monitoring programs. These Vital Signs represent the Core SEAN Program

o Vital Signs that are currently being monitored by a network park, another NPS program, or by another federal or state agency using other funding. The network will collaborate with these other monitoring efforts. These Vital Signs represent the Secondary SEAN Program.

+ Vital Sign occurs in the park but will not be monitored at this time due to higher priorities and staff and funding limitations.